



Using Y-DNA to Solve Brick Walls in Denmark

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Autosomal DNA

- DNA is divided into long strands called chromosomes
- There are 23 pairs of chromosomes "23andMe"
- In each pair one chromosome is from mom the other from dad
- The first 22 pairs are called autosomal DNA (95%)
- Autosomal DNA is inherited from all lines
- Most DNA tests analyze autosomal DNA

Sex Chromosomes

- The 23rd pair is the Sex chromosomes with two variants X and Y
- X is 2.67 times bigger than Y
- The X and Y mostly don't mix because of their size. Men either give only X or only Y. This determines the child's sex
- Only males have Y-DNA
- Y-DNA is only inherited from father
- Y-DNA only changes through mutations

Y-DNA Testing

- Only FamilyTreeDNA sells Y-DNA tests
- You cannot get these results by transferring from another company
- There are three options: Y-37, Y-111, and Big Y-700
- Y-37 (\$119)
- Y-111 (\$249)
- Big Y-700 (\$449)
- Buying Big Y-700 increases our scientific knowledge

Anders Larsen (L788-7F6) Case Study

- **1854 Death Record:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=21619037#384736,74092246>
- **1850 Census:** <https://www.sa.dk/ao-soegesider/da/billedviser?bsid=113645#113645,17258318>
- **1845 Census:** <https://www.sa.dk/ao-soegesider/da/billedviser?bsid=6673#6673,158485>
- **1840 Census:** <https://www.sa.dk/ao-soegesider/da/billedviser?bsid=4885#4885,116308>

- **1834 Census:** <https://www.sa.dk/ao-soegesider/da/billedviser?bsid=2080#2080,77928>
- **1820 Confirmation:** <https://ao.sa.dk/ao/data.ashx?bid=74435736>
- **1810 Edel's Probate:** <https://ao.sa.dk/ao/data.ashx?bid=32846742>
- **1805 Anders Marriage:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=17122824#162318,27275505>
- **1808 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#18237,1039911>
- **1805 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#17850,922413>
- **1802 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#491514,973852>
- **1801 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#17842,919967>
- **1798 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#17836,917837>
- **1797 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#491511,972959>
- **1796 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#491510,972720>
- **1795 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#17835,917249>
- **1793 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#490971,916579>
- **1792 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#17829,915663>
- **1789 Anders Levying roll:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=16481031#17825,914782>
- **1784 Anna Baptism:** <https://www.familysearch.org/ark:/61903/3:1:3QS7-994H-XVRH?from=lynx1UIV8&treeref=LJV7-ZN9&i=15&wc=M5KK-L21%3A357517301%2C359893201%2C359953801%2C359913501&cc=2078555>
- **1780 Niels' Baptism:** <https://www.familysearch.org/ark:/61903/3:1:3QS7-994H-XVBL?>
- **1777 Else Baptism:** <https://www.familysearch.org/ark:/61903/3:1:3QS7-994H-XVRH?>
- **1773 Laurs and Karen Marriage:** <https://www.familysearch.org/ark:/61903/3:1:3QS7-994H-XVRH?>
- **1791 Karen Burial:** <https://www.familysearch.org/ark:/61903/3:1:3QSQ-G94H-XVZ9?>
- **1787 Laurs and Karen Census:** <https://www.sa.dk/ao-soegesider/da/billedviser?bsid=664#664,53322>
- **1801 Laurs Census:** <https://www.sa.dk/ao-soegesider/da/billedviser?bsid=26259#26259,2899329>
- **1834 Laurs Census:** <https://www.sa.dk/ao-soegesider/da/billedviser?bsid=2592#2592,87548>
- **1839 Laurs Death:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=21619109#385240,74110795>
- **1793 Anders Confirmation:** <https://www.sa.dk/ao-soegesider/da/billedviser?epid=17125556#167384,28104227>

DNA Research

- Anders Larsen had six sons
- Three survived to adulthood
- Only Sander married and had children
- Sander Andersen had 4 sons
- Two survived to adulthood: Hans and Anders
- Only Hans had children
- Hans had three sons
- Two survived to adulthood, Hans Henrik Fritz and Jacob “Jack”
- One of Jack’s great grandsons agreed to test
- Niels Larsen had four sons
- Two had children: Laurs and Thomas
- Thomas’ line died out
- Laurs Nielsen had six sons, all survived to adulthood
- Marius Laursen emigrated to Michigan
- One of Marius’ great grandsons agreed to test
- Y-DNA proves Anders and Niels were related

Activity

- Anders Larsen is enumerated on the 1801 census somewhere. Using the information provided in the levying rolls, find his entry in 1801

Principles

- Surname projects are not a thing in Denmark
- You must target test
- You will need to purchase at least two Y-DNA tests
- Y-DNA must be used with the paper trail
- A negative result means the hypothetical tree is wrong **somewhere**, but more testing is needed to figure out exactly where.